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1. [VISTAGY Announces FiberSIM 5.0 Software for Composites Design](#)
Business Wire. New York: Sep 20, 2004. p. 1

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2. [Failure criterion for notched fiber-dominated composite laminates](#)
by Vaidya, Rajesh Suresh, Ph.D., Purdue University, 1997, 144 pages; AAT 9808529

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4. [The mechanical response of cross-ply ceramic matrix composites](#)
by Erdman, Donald Leroy, Ph.D., The University of Tennessee, 1995, 216 pages; AAT 9619608

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by Benard, Andre, M.Sc.A., Ecole Polytechnique, Montreal (Canada), 1990, 182 pages; AAT MM64313

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7. [IMPACT DAMAGE CHARACTERIZATION IN LAMINATED COMPOSITES \(CRACK\)](#)
by JOSHI, SHIV PRAKASH, Ph.D., Purdue University, 1985, 159 pages; AAT 8529286

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Cement and Concrete Composites, Volume 20, Issue 5, October 1998, Pages 405-415
 B. Mobasher and A. Pivacek
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Composite Structures, Volume 66, Issues 1-4, October-December 2004, Pages 677-683
 David J. Elder, Rodney S. Thomson, Minh Q. Nguyen and Murray L. Scott
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 M. C. Lafarie-Frenot and S. Rouquie
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- 3. **Perforation of clamped, woven E-glass/polyester panels • ARTICLE**
Composites Part B: Engineering, Volume 35, Issue 5, July 2004, Pages 359-378
 Michelle S. Hoo Fatt and Chunfu Lin
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- 4. **Effect of mode III fracture on composite laminates • ARTICLE**
Composite Structures, Volume 63, Issues 3-4, February-March 2004, Pages 469-480
 Dongyun Ge, Fujiang Liu and Mingwan Lu
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- 5. **Mode I and mode II delamination properties of glass/vinyl-ester composite toughened by particulate modified interlayers • ARTICLE**
Composites Science and Technology, Volume 63, Issue 13, October 2003, Pages 1949-1964
 D. Stevanovic, S. Kalyanasundaram, A. Lowe and P. -Y. B. Jar

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6. **Matrix Microcracking in Composites**
Comprehensive Composite Materials, 2003, Chapter 2.12, Pages 403-432
John A. Nairn
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7. **Simulating damage growth in a [90/0]_s composite laminate using quasi-two-dimensional finite element methods** • ARTICLE
Composite Structures, Volume 58, Issue 2, November 2002, Pages 227-236
Philip V. D. McLaughlin and Sridhar Santhanam
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8. **Apparent strength scaling in continuous fiber composite laminates** • ARTICLE
Composites Science and Technology, Volume 60, Issue 2, 1 February 2000, Pages 283-299
J. Andre Lavoie, Costas Soutis and John Morton
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9. **A study of fastener pull-through failure of composite laminates. Part 1: Experimental** • ARTICLE
Composite Structures, Volume 45, Issue 4, August 1999, Pages 241-254
A. Banbury and D. W. Kelly
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10. **A study of fastener pull-through failure of composite laminates. Part 2: Failure prediction** • ARTICLE
Composite Structures, Volume 45, Issue 4, August 1999, Pages 255-270
A. Banbury, D. W. Kelly and L. K. Jain
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11. **Scanning acoustic microscopy as a tool for quantitative characterisation of damage in CFRPs** • ARTICLE
Composites Science and Technology, Volume 59, Issue 3, February 1999, Pages 345-354
Shang-Lin Gao and Jang-Kyo Kim
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12. **A study of the interlaminar fracture toughness of a carbon-fiber/epoxy composite containing surface-modified short kevlar fibers** • ARTICLE
Composites Science and Technology, Volume 58, Issue 10, October 1998, Pages 1599-1606
B. Y. Park and S. C. Kim
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13. **Mode II fracture of composites interlayered with nylon particles** • ARTICLE
Composites Science and Technology, Volume 56, Issue 11, 1996, Pages 1223-1240
M. R. Groleau, Y. -B. Shi, A. F. Yee, J. L. Bertram, H. J. Sue and P. C. Yang

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14. **Fatigue behavior of a cross-ply titanium matrix composite under tension-tension and tension-compression cycling • ARTICLE**
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Elizabeth A. Boyum and S. Mall
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15. **Tensile damage development in fiber-reinforced ceramic matrix composites • ARTICLE**
Materials Science and Engineering A, Volume 177, Issues 1-2, 15 April 1994, Pages 95-114
Kathryn A. Dannemann and John F. Mandell
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16. **Computer programs for mechanical analysis and design of polymer matrix composites • REVIEW ARTICLE**
Progress in Polymer Science, Volume 19, Issue 1, 1994, Pages 171-201
Olli Saarela
[Abstract](#)

17. **Finite element analysis of interleaved DCB specimen • ARTICLE**
Engineering Fracture Mechanics, Volume 41, Issue 4, March 1992, Pages 475-485
F. Ozdil and L. A. Carlsson
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18. **Plastic zone estimates in mode I interlaminar fracture of interleaved composites • ARTICLE**
Engineering Fracture Mechanics, Volume 41, Issue 5, March 1992, Pages 645-658
F. Ozdil and L. A. Carlsson
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TITLE: Composite stacking sequence optimization for multi-zoned composites

PUBLICATION-DATE: July 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Chen, Bing-Chung	Thousand Oaks	CA	US
Eastland, Christopher C.	Kenmore	WA	US
Hanson, Christopher T.	Kirkland	WA	US

US-CL-CURRENT: 428/192; 428/157

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DOCUMENT-IDENTIFIER: US 20050163975 A1

TITLE: Composite stacking sequence optimization for multi-zoned composites

PUBLICATION-DATE: July 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Chen, Bing-Chung	Thousand Oaks	CA	US
Eastland, Christopher C.	Kenmore	WA	US
Hanson, Christopher T.	Kirkland	WA	US

US-CL-CURRENT: 428/192; 428/157

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INVENTOR-INFORMATION:

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Eastland, Christopher C.	Kenmore	WA	US
Hanson, Christopher T.	Kirkland	WA	US

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PGPUB-DOCUMENT-NUMBER: 20040127132

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DOCUMENT-IDENTIFIER: US 20040127132 A1

TITLE: Nonwoven protective fabrics with conductive fiber layer

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Berman, Mark Henry Samuel	Greenville	SC	US
Baer, Samuel Charles	Greenville	SC	US

US-CL-CURRENT: 442/414; 442/361, 442/376, 442/377, 442/382, 442/392, 442/401

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PGPUB-DOCUMENT-NUMBER: 20020009935

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020009935 A1

TITLE: Core-crush resistant fabric and preprep for fiber reinforced composite sandwich structures

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hsiao, Hao-Ming	San Ramon	CA	US
Lee, Shaw Ming	Danville	CA	US
Buyny, Robert Albert	Clayton	CA	US
Martin, Cary Joseph	Dublin	CA	US

US-CL-CURRENT: 442/149; 428/36.1, 428/36.5, 442/179, 442/181

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PGPUB-DOCUMENT-NUMBER: 20010046600

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010046600 A1

TITLE: Core-crush resistant fabric and preprep for fiber reinforced composite sandwich structures

PUBLICATION-DATE: November 29, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hsiao, Hao-Ming	San Ramon	CA	US
Lee, Shaw Ming	Danville	CA	US
Buyny, Robert Albert	Clayton	CA	US
Martin, Cary Joseph	Dublin	CA	US

US-CL-CURRENT: 428/365; 428/149, 428/179, 428/361, 442/181

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TITLE: Nonwoven protective fabrics with conductive fiber layer

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PRIOR-PUBLICATION:

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INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Berman; Mark Henry Samuel	Greenville	SC		US
Baer; Samuel Charles	Greenville	SC		US

US-CL-CURRENT: 442/365; 428/903, 442/382, 442/400, 442/401, 442/414

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TITLE: Core-crush resistant fabric and prepreg for fiber reinforced composite sandwich structures

DATE-ISSUED: December 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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TITLE: Core-crush resistant fabric and prepreg for fiber reinforced composite sandwich structures

DATE-ISSUED: November 5, 2002

INVENTOR-INFORMATION:

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Lee; Shaw Ming	Danville	CA		
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File: USPT

Jul 17, 2001

US-PAT-NO: 6261675

DOCUMENT-IDENTIFIER: US 6261675 B1

TITLE: Core-crush resistant fabric and prepreg for fiber reinforced composite sandwich structures

DATE-ISSUED: July 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hsiao; Hao-Ming	San Ramon	CA		
Lee; Shaw Ming	Danville	CA		
Buyny; Robert Albert	Clayton	CA		
Martin; Cary Joseph	Dublin	CA		

US-CL-CURRENT: 428/219; 428/220, 442/179, 442/195, 442/208

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search Index](#) | [Advanced Search](#) | [Claims](#) | [KMC](#) | [Drawn Dep.](#)

 9. Document ID: US 5944932 A

L7: Entry 9 of 10

File: USPT

Aug 31, 1999

US-PAT-NO: 5944932

DOCUMENT-IDENTIFIER: US 5944932 A

TITLE: Bicycle front forks and methods of making same

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klein; Gary G.	Chehalis	WA		
Voss; Darrell W.	Chehalis	WA		
Randall; Richard W.	Chehalis	WA		

US-CL-CURRENT: 156/245; 156/293, 264/257, 264/258, 264/314

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Advanced Search](#) | [Claims](#) | [KMC](#) | [Drawn](#) | [Def](#)

 10. Document ID: US 5692764 A

L7: Entry 10 of 10

File: USPT

Dec 2, 1997

US-PAT-NO: 5692764

DOCUMENT-IDENTIFIER: US 5692764 A

TITLE: Bicycle front forks and methods of making same

DATE-ISSUED: December 2, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klein; Gary G.	Chehalis	WA		
Voss; Darrell W.	Chehalis	WA		
Randall; Richard W.	Chehalis	WA		

US-CL-CURRENT: 280/279; 188/DIG.1, 280/280, 280/281.1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Search](#) | [Advanced Search](#) | [Claims](#) | [KMC](#) | [Drawn](#) | [Def](#)

[Clear](#) | [Generate Collection](#) | [Print](#) | [Fwd Refs](#) | [Bkwd Refs](#) | [Generate OACS](#)

Term	Documents
PLIES	23265
PLY	36062
PLYS	2418
ZONE?	0
ZONEA	6
ZONEB	5
ZONEC	2
ZONED	4005
ZONEE	9

Hit List

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Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 20050163975 A1

L8: Entry 1 of 1

File: PGPB

Jul 28, 2005

PGPUB-DOCUMENT-NUMBER: 20050163975

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050163975 A1

TITLE: Composite stacking sequence optimization for multi-zoned composites

PUBLICATION-DATE: July 28, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Chen, Bing-Chung	Thousand Oaks	CA	US
Eastland, Christopher C.	Kenmore	WA	US
Hanson, Christopher T.	Kirkland	WA	US

US-CL-CURRENT: 428/192; 428/157

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Term	Documents
SEQUENCE	0
SEQUENCE	950745
SEQUENCES	315159
PLIES	23265
PLY	36062
PLYS	2418
STACK\$	0
STACK	256892
STACKA	3
STACKABABLE	1
STACKABLE	1